

To: U.S. Department of Commerce

Atty.

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Client Ref.

Bollman

20-431

20-431

## INFORMATION DISCLOSURE STATEMENT

BY APPLICANT

Applicant: UNG

Appln. No.: 09/814,363

Filing Date: March 23, 2001

Examiner: PEACHES

Group Art Unit: 2617

Date: December 19, 2007

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## U.S. PATENT DOCUMENTS

| Examiner's Initials* |    | Document Number | Date MM/YYYY | Name<br>(Family Name of First Inventor) | Class | SubClass | Filing Date<br>(if appropriate) |
|----------------------|----|-----------------|--------------|---|-------|----------|---------------------------------|
|                      | AR | US2003/0060212  | 3/2003       | Thomas                                  |       |          |                                 |
|                      | BR | 6,456,852       | 9/2002       | Bar et al.                              |       |          |                                 |
|                      | CR | US2005/0048948  | 3/2005       | Holland                                 |       |          |                                 |
|                      | DR | US2002/0168986  | 11/2002      | Lau et al.                              |       |          |                                 |
|                      | ER | 6,073,004       | 6/2000       | Balachandran                            |       |          |                                 |
|                      | FR | 6,073,015       | 6/2000       | Berggren et al.                         |       |          |                                 |
|                      | GR | 6,654,786       | 11/2003      | Fox et al.                              |       |          |                                 |
|                      | HR | 6,667,688       | 12/2003      | Menard et al.                           |       |          |                                 |
|                      | IR | 6,393,014       | 5/2002       | Daly                                    |       |          |                                 |
|                      | JR | 6,138,158       | 10/2000      | Boyle et al.                            |       |          |                                 |
|                      | KR | 6,321,257       | 11/2001      | Kotola et al.                           |       |          |                                 |
|                      | LR | 6,507,589       | 1/2003       | Ramasubramani et al.                    |       |          |                                 |
|                      | MR | 6,314,108       | 11/2001      | Ramasubramani et al.                    |       |          |                                 |
|                      | NR | 6,442,589       | 8/2002       | Takahashi et al.                        |       |          |                                 |

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|  |    |                 |              |         |               |       |            | Enclosed | No | Enclosed    | No |
|  | OR | PCT/Se99/00875  | 5/1999       | PCT     | Stille        |       |            |          |    |             |    |
|  | PR | UK2 308 528     | 12/1995      | UK      | Adaham        |       |            |          |    |             |    |
|  | QR | PCT/SE98/00992  | 5/1998       | PCT     | Smith         |       |            |          |    |             |    |
|  | RR | PCT/FI99/00935  | 11/1999      | PCT     | Herajarvi     |       |            |          |    |             |    |
|  | SR | PCT/SE97/02081  | 12/1997      | PCT     | Olsson        |       |            |          |    |             |    |
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|                      | AR | 5,243,645       | 9/1993       | Bissell et al.                          |       |          |                                 |
|                      | BR | 6,195,651       | 2/2001       | Handel                                  |       |          |                                 |
|                      | CR | US2001/0032267  | 10/2001      | Collison                                |       |          |                                 |
|                      | DR | 6,389,421       | 5/2002       | Hawkins et al.                          |       |          |                                 |
|                      | ER | 6,591,304       | 7/2003       | Sitaraman et al.                        |       |          |                                 |
|                      | FR | 6,785,659       | 8/2004       | Landsman                                |       |          |                                 |
|                      | GR | 6,502,086       | 12/2002      | Pratt                                   |       |          |                                 |
|                      | HR | US2002/0091789  | 7/2002       | Katariya et al.                         |       |          |                                 |
|                      | IR | US2003/0055912  | 3/2003       | Martin et al.                           |       |          |                                 |
|                      | JR | 6,711,411       | 3/2004       | Ruffini                                 |       |          |                                 |
|                      | KR | 6,330,600       | 12/2001      | Matchefts et al.                        |       |          |                                 |
|                      | LR | 6,246,879       | 6/2001       | Segura et al.                           |       |          |                                 |
|                      | MR | 6,366,961       | 4/2002       | Subbiah                                 |       |          |                                 |
|                      | NR | 6,263,212       | 7/2001       | Ross et al.                             |       |          |                                 |

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|                      | AR | 6,263,372       | 7/2001       | Hogan et al.                            |       |          |                                 |
|                      | BR | 6,507,589       | 1/2003       | Ramasubramani et al.                    |       |          |                                 |
|                      | CR | 6,424,841       | 7/2002       | Gustafsson                              |       |          |                                 |
|                      | DR | 5,758,088       | 5/1998       | Bezaire et al.                          |       |          |                                 |
|                      | ER | 6,560,456       | 5/2003       | Lohita et al.                           |       |          |                                 |
|                      | FR | 5,903,726       | 5/1999       | Donovan                                 |       |          |                                 |
|                      | GR | 6,538,561       | 3/2003       | Angus                                   |       |          |                                 |
|                      | HR | 6,463,145       | 10/2002      | O'Neal et al.                           |       |          |                                 |
|                      | IR | 6,779,022       | 8/2004       | Hortsmann et al.                        |       |          |                                 |
|                      | JR | 6,725,268       | 4/2004       | Jackel                                  |       |          |                                 |
|                      | KR | 6,671,356       | 12/2003      | Lewis                                   |       |          |                                 |
|                      | LR | 6,389,455       | 5/2002       | Fuisz                                   |       |          |                                 |
|                      | MR | US2002/0116263  | 8/2002       | Gouge                                   |       |          |                                 |
|                      | NR | US2002/0118800  | 8/2002       | Martinez                                |       |          |                                 |

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|                      | AR | US2002/0119793  | 8/2002       | Hronek et al.                           |       |          |                                 |
|                      | BR | 6,728,353       | 4/2004       | Espejo et al.                           |       |          |                                 |
|                      | CR | 5,150,113       | 9/1992       | Bluthgen                                |       |          |                                 |
|                      | DR | 6,961,330       | 11/2005      | Cattan et al.                           |       |          |                                 |
|                      | ER | 5,793,859       | 8/1998       | Mathews                                 |       |          |                                 |
|                      | FR | 6,490,450       | 12/2002      | Batni et al.                            |       |          |                                 |
|                      | GR | 6,529,732       | 3/2003       | Vainiomaki et al.                       |       |          |                                 |
|                      | HR | 6,587,688       | 7/2003       | Chambers et al.                         |       |          |                                 |
|                      | IR | 5,959,543       | 9/1999       | LaPorta                                 |       |          |                                 |
|                      | JR | 6,134,432       | 10/2000      | Holmes                                  |       |          |                                 |
|                      | KR | 6,718,178       | 4/2004       | Sladek et al.                           |       |          |                                 |
|                      | LR | 6,587,691       | 7/2003       | Granstam et al.                         |       |          |                                 |
|                      | MR | 6,493,558       | 12/2002      | Bernhart                                |       |          |                                 |
|                      | NR | 6,662,015       | 12/2003      | Furlong                                 |       |          |                                 |

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|                      | AR | 6,366,663       | 4/2002       | Bauer et al.                            |       |          |                                 |
|                      | BR | 5,940,756       | 8/1999       | Sibecas                                 |       |          |                                 |
|                      | CR | 6,021,333       | 2/2000       | Anderson                                |       |          |                                 |
|                      | DR | 6,424,841       | 7/2002       | Gustafsson                              |       |          |                                 |
|                      | ER | 6,094,574       | 7/2000       | Vance                                   |       |          |                                 |
|                      | FR | 6,304,898       | 10/2001      | Shiigi                                  |       |          |                                 |
|                      | GR | 6,757,708       | 6/2004       | Craig et al.                            |       |          |                                 |
|                      | HR | US2002/0052968  | 5/2002       | Bonefas et al.                          |       |          |                                 |
|                      | IR | 6,311,055       | 10/2001      | Boltz                                   |       |          |                                 |
|                      | JR | 6,144,653       | 11/2000      | Persson                                 |       |          |                                 |
|                      | KR | 6,189,031       | 2/2001       | Badger et al.                           |       |          |                                 |
|                      | LR | 6,216,008       | 4/2001       | Lee                                     |       |          |                                 |
|                      | MR | 6,408,177       | 6/2002       | Parikh et al.                           |       |          |                                 |
|                      | NR | 5,767,795       | 6/1998       | Schaphorst                              |       |          |                                 |

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|----------------------|----|-----------------|--------------|---|-------|----------|---------------------------------|
|                      | AR | 6,266,614       | 7/2001       | Alumbaugh                               |       |          |                                 |
|                      | BR | 6,119,014       | 9/2000       | Alperovich et al.                       |       |          |                                 |
|                      | CR | US2004/0110524  | 6/2004       | Takano et al.                           |       |          |                                 |
|                      | DR | US2006/0148415  | 7/2006       | Hamalainen et al.                       |       |          |                                 |
|                      | ER | US2001/0041579  | 11/2001      | Smith et al.                            |       |          |                                 |
|                      | FR | 6,771,971       | 8/2004       | Smith                                   |       |          |                                 |
|                      | GR | 6,223,042       | 4/2001       | Raffel                                  |       |          |                                 |
|                      | HR | 7,116,972       | 10/2006      | Zhang et al.                            |       |          |                                 |
|                      | IR | US2004/0259531  | 12/2004      | Wood et al.                             |       |          |                                 |
|                      | JR | 5,239,570       | 8/1993       | Koster                                  |       |          |                                 |
|                      | KR | 1,103,073       | 1/1914       | O'Connell                               |       |          |                                 |
|                      | LR | 5,043,,736      | 8/1991       | Darnell et al.                          |       |          |                                 |
|                      | MR | 5,161,180       | 11/1992      | Chavous                                 |       |          |                                 |
|                      | NR | 5,239,570       | 8/1993       | Koster                                  |       |          |                                 |

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|                         | AR | 6,564,261          | 5/2003          | Gudjonsson et al.                       |       |          |                                 |
|                         | BR | 6,353,614          | 5/2002          | Borella et al.                          |       |          |                                 |
|                         | CR | 6,393,461          | 5/2002          | Okada                                   |       |          |                                 |
|                         | DR | 6,459,892          | 10/2002         | Burgan                                  |       |          |                                 |
|                         | ER | 6,499,053          | 12/2002         | Marquette et al.                        |       |          |                                 |
|                         | FR | 5,960,074          | 9/1999          | Clark                                   |       |          |                                 |
|                         | GR | 6,178,331          | 1/2001          | Holmes et al.                           |       |          |                                 |
|                         | HR | 6,185,602          | 2/2001          | Bayrakeri                               |       |          |                                 |
|                         | IR | 6,078,583          | 6/2000          | Takahara                                |       |          |                                 |
|                         | JR | 5,966,663          | 10/1999         | Gleason                                 |       |          |                                 |
|                         | KR | 5,949,326          | 9/1999          | Wicks et al.                            |       |          |                                 |
|                         | LR | 5,694,546          | 12/1997         | Reisman                                 |       |          |                                 |
|                         | MR | 6,512,930          | 1/2003          | Sanbergen                               |       |          |                                 |
|                         | NR | 6,397,054          | 5/2002          | Hoirup                                  |       |          |                                 |

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Applicant: UNG

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|----------------------|----|-----------------|--------------|---|-------|----------|---------------------------------|
|                      | AR | 6,505,046       | 1/2003       | Baker                                   |       |          |                                 |
|                      | BR | 6,370,373       | 4/2002       | Gerth                                   |       |          |                                 |
|                      | CR | 6,208,870       | 3/2001       | Lorello                                 |       |          |                                 |
|                      | DR | 5,508,931       | 4/1996       | Snider                                  |       |          |                                 |
|                      | ER | US2001/0034224  | 10/2001      | McDowell et al.                         |       |          |                                 |
|                      | FR | 6,502,086       | 12/2002      | Pratt                                   |       |          |                                 |
|                      | GR | US2002/0091789  | 7/2002       | Katariya                                |       |          |                                 |
|                      | HR | US2001/0032267  | 10/2001      | Collison                                |       |          |                                 |
|                      | IR | 6,389,421       | 5/2002       | Hawkins et al.                          |       |          |                                 |
|                      | JR | 6,591,304       | 7/2003       | Sitaraman et al.                        |       |          |                                 |
|                      | KR | 6,785,659       | 8/2004       | Landsman et al.                         |       |          |                                 |
|                      | LR | 6,442,589       | 8/2002       | Takahashi et al.                        |       |          |                                 |
|                      | MR | 5,243,645       | 9/1993       | Bissell et al.                          |       |          |                                 |
|                      | NR | 6,195,651       | 2/2001       | Handel et al.                           |       |          |                                 |

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|                      | AR | 6,424,841       | 7/2002       | Boyle et al.                            |       |          |                                 |
|                      | BR | 6,081,508       | 6/2000       | West et al.                             |       |          |                                 |
|                      | CR | 6,223,046       | 4/2001       | Hamill-Keays et al.                     |       |          |                                 |
|                      | DR | US2001/0041579  | 11/2001      | Smith et al.                            |       |          |                                 |
|                      | ER | 6,311,055       | 10/2001      | Boltz                                   |       |          |                                 |
|                      | FR | 6,144,653       | 11/2000      | Persson et al.                          |       |          |                                 |
|                      | GR | 6,189,031       | 2/2001       | Badger et al.                           |       |          |                                 |
|                      | HR | 6,216,008       | 4/2001       | Lee                                     |       |          |                                 |
|                      | IR | 6,408,177       | 6/2002       | Parikh                                  |       |          |                                 |
|                      | JR | US2002/0133568  | 9/2002       | Smith                                   |       |          |                                 |
|                      | KR | 6,771,971       | 8/2004       | Smith                                   |       |          |                                 |
|                      | LR | 6,223,042       | 4/2001       | Raffel                                  |       |          |                                 |
|                      | MR | US2001/0031641  | 10/2001      | Ung                                     |       |          |                                 |
|                      | NR | 6,970,869       | 11/2005      | Slaughter et al.                        |       |          |                                 |

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|                      | AR | 5,055,851       | 10/1991      | Scheffer et al.                         |       |          |                                 |
|                      | BR | 5,070,329       | 12/1991      | Jasinaki                                |       |          |                                 |
|                      | CR | 5,144,283       | 9/1992       | Arens et al.                            |       |          |                                 |
|                      | DR | 5,177,478       | 1/1993       | Wagai et al.                            |       |          |                                 |
|                      | ER | 5,218,367       | 6/1993       | Scheffer et al.                         |       |          |                                 |
|                      | FR | 5,266,944       | 11/1993      | Carroll et al.                          |       |          |                                 |
|                      | GR | 5,454,024       | 9/1995       | Lebowitz                                |       |          |                                 |
|                      | HR | 5,479,408       | 12/1995      | Will                                    |       |          |                                 |
|                      | IR | 5,621,793       | 4/1997       | Bednarek et al.                         |       |          |                                 |
|                      | JR | 5,794,142       | 8/1998       | Vantilla                                |       |          |                                 |
|                      | KR | 5,905,736       | 5/1999       | Ronen et al.                            |       |          |                                 |
|                      | LR | 6,169,891       | 1/2001       | Gorham                                  |       |          |                                 |
|                      | MR | US2005/0135569  | 6/2005       | Dickinson                               |       |          |                                 |
|                      | NR | 5,430,759       | 7/1995       | Yokey                                   |       |          |                                 |

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|----------------------|----|-----------------|--------------|---|-------|----------|---------------------------------|
|                      | AR | US2004/0103431  | 5/2004       | Davenport et al.                        |       |          |                                 |
|                      | BR | US2005/0020287  | 1/2005       | Pohutsky                                |       |          |                                 |
|                      | CR | US2004/0199614  | 10/2004      | Shenfield et al.                        |       |          |                                 |
|                      | DR | 6,075,982       | 6/2000       | Donovan                                 |       |          |                                 |
|                      | ER | 6,195,543       | 2/2001       | Granberg                                |       |          |                                 |
|                      | FR | 5,974,133       | 10/1999      | Fleischer                               |       |          |                                 |
|                      | GR |                 |              |   |       |          |                                 |
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